AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows. No new matter has been added.

Please amend the paragraph at page 2, lines 9-17 as follows.

(Currently Amended) Under these circumstances, efforts have been made in search for an enzyme which covers the shortcomings of both GOD and GDH. As disclosed in the International Disclosure WO02/36779[[,]] ~~Hayade~~ to Sode separated a new strain (Burkholderia cepacia KS1) from soil near a hot spring, and obtained a new GDH from the strain. This GDH included α, β, γ subunits (herinafter called "CyGDH"), had a high rate of reaction with electron transfer materials, and sufficient thermal stability, and so was suitable for use in glucose sensors.

Please amend the paragraph at page 5, lines 15-24 as follows.

(Currently Amended) There is no specific limitation to the microorganism of the genus Burkholderia which is used in the present invention, as long as the microorganism is capable of producing the target enzyme. Preferably, however, Burkholderia cepacia, and Burkholderia cepacia KS1 strain (hereinafter simply called "KS1 strain") in particular, is preferred. KS1 strain was deposited as FERM BP-7306, on September 25th, 2000, with the International PatentOrganismDepositary (IPOD), ~~National InstituteofAdvanced Industrial Science and Technology (AIST) (Tsukuba Central 6, 1-1-1 Higashi, Tsukuba, Ibaraki, Japan 305-8566)~~ National Institute of Bioscience and Human-Technology (1-3, Higashi 1 chome Tsukuba-shi Ibaraki-ken 305-8566, Japan).

Please amend the paragraph at page 6, lines 10-18 as follows.

(Currently Amended) Sode ~~Hayade~~ has confirmed that higher enzyme activity is achieved by a combination of γ subunit and α subunit than by α subunit only. Therefore, in view of enzyme activity, it is preferable to manifest γ subunit, and when engineering the DNA, γ subunit structural gene should preferably be included in an upstream region of α subunit. Then, when the transformant produces α subunit, γ subunit which has been manifested already and existing as a protein will promote efficient production of α subunit in the microorganism.